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परिवहन पैकेज — दृढ़ आयताकार पैकेज के आयाम

(पहला पुनरीक्षण)

Indian Standard

TRANSPORT PACKAGES — DIMENSIONS OF RIGID RECTANGULAR PACKAGES

(First Revision)

ICS 55.020

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

June 1999

Price Group 2

Transport Packages Sectional Committee, LM 25

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Transport Packages Sectional Committee had been approved by the Light Mechanical Engineering Division Council.

This standard was originally published in 1977. This revision incorporates plan dimensions.

Due to continuous growth in the unitization of load there is a need for a better harmonization of the dimensions of packages, pallets, containers and other unit loads.

The distribution of goods in an interconnected chain of actions from the place of origin to the place of destination and many consecutive operations in the distribution of goods must be regarded as an overall system with which all elements must be compatible.

Due to large investments, which are made in the various elements of the distribution system (for instance, packaging system as well as manufacturing, handling and transportation equipment, etc), there is a needs for a single system with which all elements are compatible. A single overall system based on a common module is unlikely to cover all packaged goods. Though the long term solution in this field must be based on a profound study of all possible implications including the harmonization of regulations on dimensions of rail and road vehicles, a short term solution can be based on dimensions alone which can be standardized and would not create any obstacle to an ideal long term solution. Therefore, it is intended to establish a modular system for rigid rectangular packages based on the 600 mm × 400 mm nominal module as part of the intermodal overall system.

In order to have international co-ordination on the subject, this standard is based on ISO 3394:1984 'Dimensions of rigid rectangular packages — Transport packages', issued by the International Organization for Standardization (ISO).

Indian Standard

TRANSPORT PACKAGES — DIMENSIONS OF RIGID RECTANGULAR PACKAGES

(First Revision)

1 SCOPE

This standard prescribes a series of dimensions for rigid rectangular transport packages based on a standard base area (module) of 600 mm × 400 mm.

2 DEFINITION

2.1 Plan Dimensions

The dimensions of the rectangle defined on a horizontal surface by the four vertical planes intersecting at right angles which enclose a transport package freestanding on that surface (*see* Fig. 1).

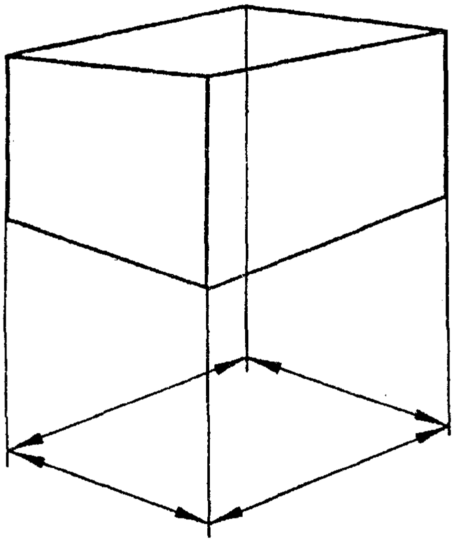


FIG. 1 PLAN DIMENSIONS

3 PRINCIPLE

The effective outside dimensions (length and width) of transport packages shall be obtained by multiplying or dividing the standard base area by an integer.

4 DIMENSIONS

4.1 The dimensions of the packages shall be in accordance with Table 1. The height of the transport packages shall be as agreed to between the user and the supplier.

4.2 The examples of combination multiples and submultiples, arranged to interlock are given in Annex A.

NOTE — The dimensions of the standard base and of all the dimensions derived from this base are maximum dimensions for filled transport packages.

Table 1 Dimensions of Transport Packages

(*Clause* 4.1)

All dimensions in millimetres.

Module	Multiples	Submultiples
500 × 400	1200 × 1000	600 × 400
	1200 × 800	300 × 400
	1200 × 600	200 × 400
	1200 × 400	150 × 400
	800 × 600	120 × 400
		500 × 300
		400 × 300
		600 × 200
		300 × 200
		200 × 200
		150 × 200
		120 × 200
		600 × 133
		300 × 133
		200 × 133
		150 × 133
		120 × 133
		600 × 100
		300 × 100
		200 × 100
		150 × 100
		120 × 100

NOTE — The multiples and submultiples are examples calculated from the module 600 mm × 400 mm.

5 HEIGHT

The height of the transport packages is left to the discretion of the user.

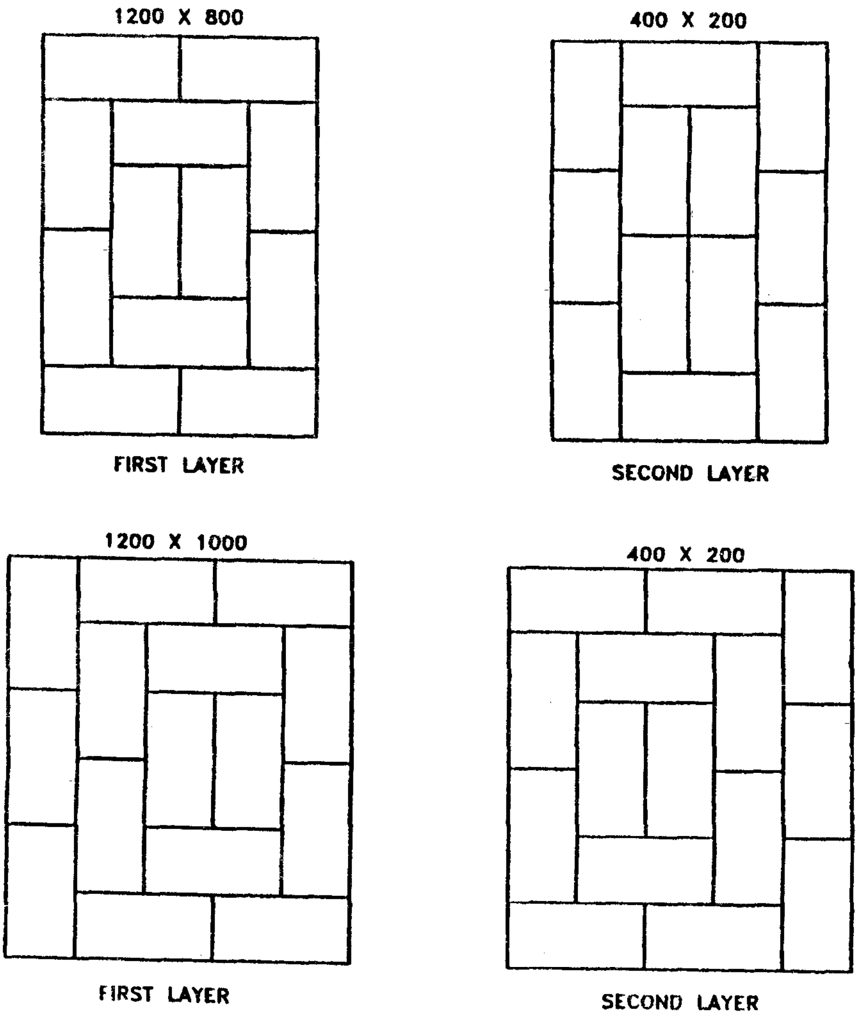
6 TOLERANCES

The plan dimensions and all the derived dimensions are maximum dimensions for filled transport packages.

ANNEX A

(*Clause* 4.2)

Examples of combination multiples and submultiples arranged to interlock as shown in figure of various dimensions as given in Table 1.



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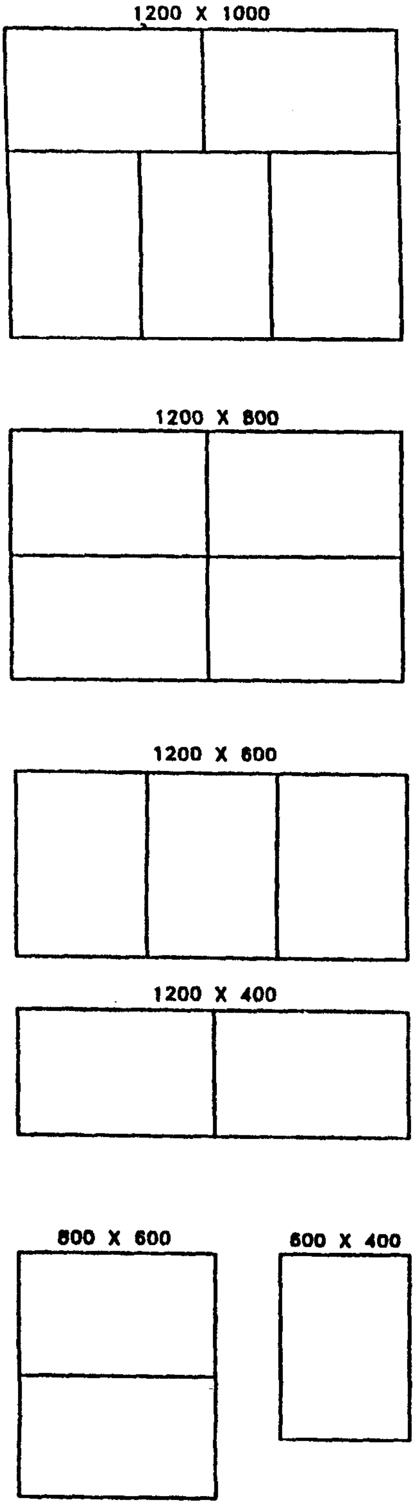

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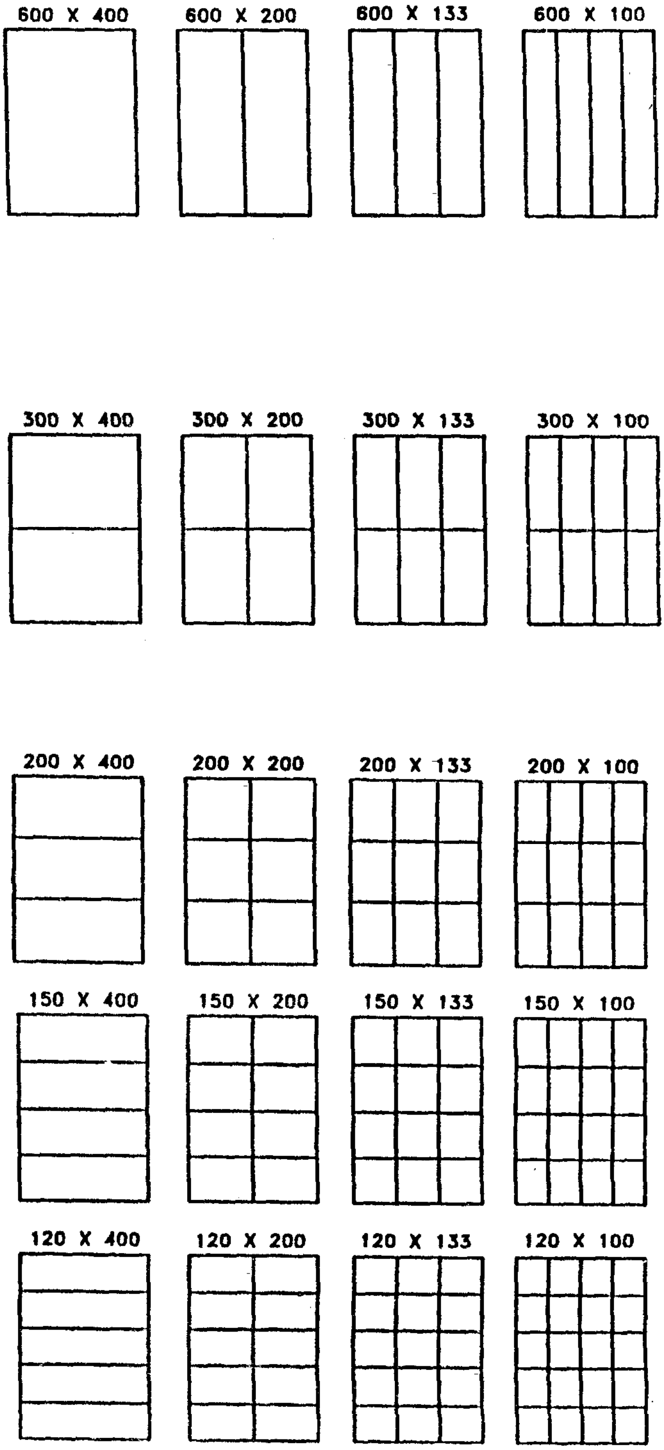

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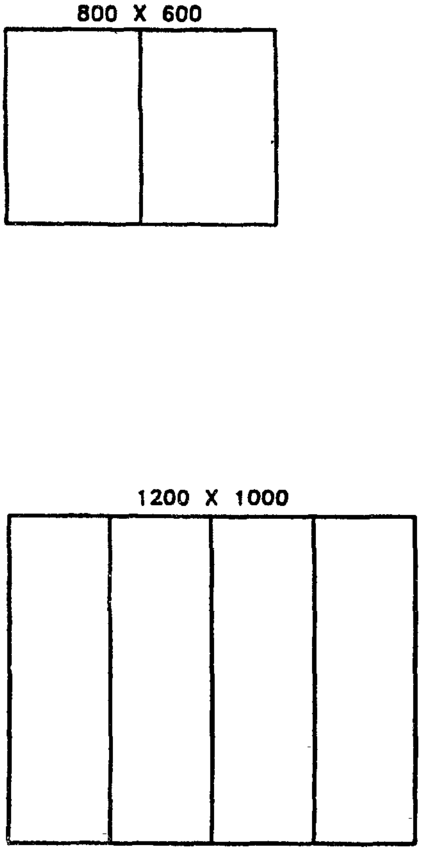

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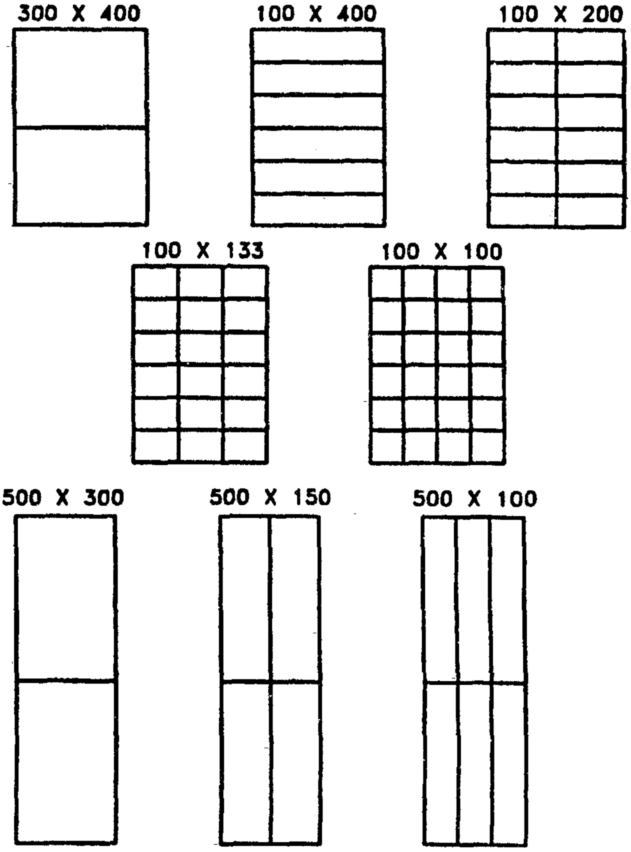

SUBMULTIPLES